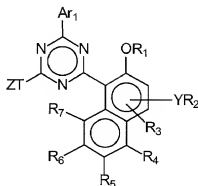


What is claimed is:

1. A triazine compound of Formula I:



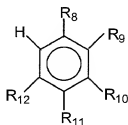
Formula I

wherein R<sub>1</sub>, R<sub>2</sub>, are the same or different and each is hydrogen, alkyl of 1 to 24 carbon atoms, alkenyl of 2 to 24 carbon atoms, acyl of 1 to 24 carbon atoms, aryl of 6 to 24 carbon atoms, cycloalkyl of 5 to 25 carbon atoms, cycloacyl of 5 to 24 carbon atoms, aralkyl of 7 to 24 carbon atoms, aracyl of 6 to 24 carbons atoms, COR, CONRR', and SO<sub>2</sub>R;

R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub> and R<sub>7</sub> are the same or different and each is hydrogen, halogen, alkyl of 1 to 24 carbon atoms, alkenyl of 2 to 24 carbon atoms, acyl of 1 to 24 carbon atoms, aryl of 6 to 24 carbon atoms, cycloalkyl of 5 to 25 carbon atoms, cycloacyl of 5 to 24 carbon atoms, aralkyl of 7 to 24 carbon atoms, aracyl of 6 to 24 carbons atoms, OR, NRR', CONRR', OCOR, CN, SR, SO<sub>2</sub>R, SO<sub>3</sub>H, SO<sub>3</sub>M, wherein M is an alkali metal, R and R' are the same or different and each is hydrogen, alkyl of 1 to 24 carbon atoms, aryl of 6 to 24 carbon atoms, alkenyl of 2 to 24 carbon atoms, acyl of 1 to 24 carbon atoms, cycloalkyl of 1 to 24 carbon atoms, cycloacyl of 5 to 24 carbon atoms, aralkyl of 7 to 24 carbon atoms, or aracyl of 6 to 24 carbons atoms, and Y is a direct bond, O, NR", or S, wherein R" is hydrogen, alkyl of 1 to 24 carbon atoms, haloalkyl of 1 to 24 carbon atoms, aryl of 6 to 24 carbon atoms, alkenyl of 2 to 24 carbon atoms, acyl of 1 to 24 carbon atoms, cycloalkyl of 1 to 24 carbon atoms, cycloacyl of 5 to 24 carbon atoms, aralkyl of 7 to 24 carbon atoms, or aracyl of 6 to 24 carbons atoms;

T is a direct bond, oxygen, NR' or sulfur; Z is a hydrogen, halogen, substituted or unsubstituted alkyl of 1 to 24 carbon atoms, alkenyl of 2 to 24 carbon atoms, acyl of 1 to 24 carbon atoms, aracyl of 7 to 24 carbon atoms, aryl of 6 to 24 carbon atoms, aralkyl of 7 to 24 carbon atoms, cycloalkyl of 5 to 24 carbon atoms, cycloacyl of 5 to 24 carbon atoms, substituted or unsubstituted alkyl of 1 to 24 carbon atoms interrupted with at least one hetero atom, cycloalkyl of 5 to 24 carbon atoms interrupted with at least one hetero atoms, CONR""R""", SO<sub>2</sub>R"" or Ar<sub>2</sub>,

wherein R''' is substituted or unsubstituted alkyl group of 1 to 24 carbon atoms; R'''' is hydrogen or substituted or unsubstituted alkyl group of 1 to 24 carbon atoms and wherein Ar<sub>1</sub> and Ar<sub>2</sub> are each independently a radical of Formula II



Formula II

wherein R<sub>8</sub>, R<sub>9</sub>, R<sub>10</sub>, R<sub>11</sub>, and R<sub>12</sub> are the same or different and each is hydrogen, halogen, alkyl of 1 to 24 carbon atoms, aryl of 6 to 24 carbon atoms, alkenyl of 2 to 24 carbon atoms, acyl of 1 to 24 carbon atoms, aralkyl of 7 to 24 carbon atoms, aracyl of 6 to 24 carbon atoms, OR, NRR', CONRR', OCOR, CN, SR, SO<sub>2</sub>R, SO<sub>3</sub>H, SO<sub>3</sub>M, wherein M is an alkali metal, and optionally with either of R<sub>8</sub> and R<sub>9</sub>, R<sub>9</sub> and R<sub>10</sub>, R<sub>10</sub> and R<sub>11</sub>, or R<sub>11</sub> and R<sub>12</sub>, taken together being a part of a saturated or unsaturated fused carbocyclic ring optionally containing O, N, or S atoms in the ring with the proviso that the radical of Formula II is not a naphthyl substituted with a hydroxyl group ortho to the point of attachment to the triazine ring.

2. The compound of claim 1, wherein T is a direct bond and Z is Ar<sub>2</sub>.

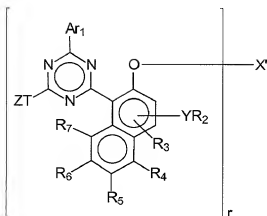
3. The compound of claim 2, wherein R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub> and R<sub>7</sub> are hydrogen.

4. The compound of claim 3, wherein Y is an oxygen, R<sub>1</sub> is hydrogen, R<sub>2</sub> is hydrogen or an alkyl of 1 to 24 carbon atoms.

5. The compound of claim 3, wherein Y is a direct bond, and R<sub>1</sub> and R<sub>2</sub> are hydrogen.

6. The compound of claim 3, wherein Ar<sub>1</sub> and Ar<sub>2</sub> are selected from a group consisting of: phenyl, methylphenyl, dimethylphenyl, diphenyl, phenyl ether, tetralin, tert-butylphenyl, ethylphenyl, propylphenyl, isopropylphenyl, butylphenyl, isobutylphenyl, chlorophenyl, methoxyphenyl, hydroxyphenyl and combinations thereof.

7. A triazine compound of Formula III



Formula III

wherein T, Z, Ar<sub>1</sub>, Y, R<sub>2</sub> to R<sub>7</sub> are defined as in claim 1;

r is 2 or 3;

when r is 2, X' is  $-\text{CO}-\text{R}^{16}-\text{CO}-$ ,  $-\text{CO}_2-\text{R}^{16}-\text{CO}_2-$ ,  $-\text{SO}_2-\text{R}^{16}-\text{SO}_2-$ ,  
 $-\text{CO}-\text{NH}-\text{R}^{17}-\text{NH}-\text{CO}-$ , a polyoxyalkylene bridge member of formula  $-\text{CO}-$   
 $(\text{CH}_2)_u-\text{O}-(\text{CH}_2-(\text{CH}_2)_v-\text{O})_{mm}-(\text{CH}_2)_v-\text{CO}-$ , or  
 $-\text{COC}(\text{R}^{21})\text{HCH}_2\text{NH}(\text{C}_{nn}\text{H}_{2nn}\text{O})_m\text{C}_{nn}\text{H}_{2nn}-\text{NHCH}_2-\text{C}(\text{R}^{21})\text{HCO}-$

when r = 3, X' is:

$-(\text{CO}_2-\text{R}^{16})_3\text{R}^{19}$ ,  $-(\text{CONH}-\text{R}^{16})_3\text{R}^{19}$ ,  $-(\text{SO}_2-\text{R}^{16})_3\text{R}^{19}$ ,

wherein

R<sup>16</sup> is C<sub>2</sub>—C<sub>10</sub> alkylene, C<sub>2</sub>—C<sub>10</sub> oxaalkylene or C<sub>2</sub>—C<sub>10</sub> dithiaalkylene, phenylene, naphthylene, diphenylene or C<sub>2</sub>—C<sub>6</sub> alkenylene;

R<sup>17</sup> is C<sub>2</sub>—C<sub>10</sub> alkylene, phenylene, naphthylene, methylenediphenylene or C<sub>7</sub>—C<sub>15</sub> alkylphenylene;

R<sup>19</sup> is C<sub>3</sub>—C<sub>10</sub> alkanetriyl;

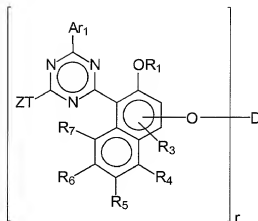
R<sup>21</sup> is hydrogen or C<sub>1</sub>—C<sub>6</sub> alkyl;

mm is an integer from 2 to 60,

nn is an integer from 2 to 6, and

u is an integer from 1 to 4.

8. A triazine compound of Formula IV



Formula IV

wherein T, Z, Ar<sub>1</sub>, Y, R<sub>1</sub> to R<sub>7</sub> are defined as in claim 1;  
r is an integer between 2 and 4;

when r is 2, D is selected from the group consisting of C<sub>2</sub>—C<sub>16</sub> alkylene, C<sub>4</sub>—C<sub>12</sub>

alkenylene, xylene, C<sub>3</sub>—C<sub>20</sub> alkylene which is interrupted by one or more oxygen atoms, hydroxy-substituted C<sub>3</sub>—C<sub>20</sub> alkyl which is interrupted by one or more oxygen atoms, —CH<sub>2</sub>CH(OH)CH<sub>2</sub>O—R<sup>15</sup>—OCH<sub>2</sub>CH(OH)CH<sub>2</sub>—, —CO—R<sup>16</sup>—CO—, —CO—NH—R<sup>17</sup>—NH—CO—, —(CH<sub>2</sub>)<sub>s</sub>—COO—R<sup>18</sup>—OCO—(CH<sub>2</sub>)<sub>s</sub>—  
a polyoxyalkylene bridge member of the formula XX

—CH<sub>2</sub>—CH(OH)—CH<sub>2</sub>—O—(CH<sub>2</sub>—(CH<sub>2</sub>)<sub>u</sub>—O—)<sub>mm</sub>—CH<sub>2</sub>—CH(OH)—CH<sub>2</sub>— (XX),  
a polyoxyalkylene bridge member of the formula XXI

—CO—(CH<sub>2</sub>)<sub>u</sub>—O—(CH<sub>2</sub>—(CH<sub>2</sub>)<sub>u</sub>—O—)<sub>mm</sub>—(CH<sub>2</sub>)<sub>u</sub>—CO— (XXI),

a polyoxyalkylene bridge member of the formula XXII

—YY—O—CO(CH<sub>2</sub>)<sub>u</sub>—O—(CH<sub>2</sub>—(CH<sub>2</sub>)<sub>u</sub>—O—)<sub>mm</sub>—(CH<sub>2</sub>)<sub>u</sub>—COO—YY— (XXII),

a polyoxyalkylene bridge member of the formula XXIII

—(CH<sub>2</sub>)<sub>kk</sub>—CH(R<sup>21</sup>)—CO—B<sub>1</sub>—(C<sub>nn</sub>H<sub>2nn</sub>—O—)<sub>mm</sub>C<sub>nn</sub>H<sub>2nn</sub>—B<sub>1</sub>—CO—CH(R<sup>21</sup>)—(CH<sub>2</sub>)<sub>kk</sub>— (XXIII),

a polyoxyalkylene bridge member of the formula XXIV

—COC(R<sup>21</sup>)HCH<sub>2</sub>NH(C<sub>nn</sub>H<sub>2nn</sub>O)<sub>m</sub>C<sub>nn</sub>H<sub>2nn</sub>—NHCH<sub>2</sub>—C(R<sup>21</sup>)HCO— (XXIV),

a polyoxyalkylene bridge member of the formula XXV

—YY—O—CO—(CH<sub>2</sub>)<sub>2</sub>—NH—(C<sub>nn</sub>H<sub>2nn</sub>—O—)<sub>mm</sub>—C<sub>nn</sub>H<sub>2nn</sub>—NH—(CH<sub>2</sub>)<sub>2</sub>COO—YY— (XXV),

a polyoxyalkylene bridge member of the formula XXVI

—(C<sub>nn</sub>H<sub>2nn</sub>—O—)<sub>mm</sub>—C<sub>nn</sub>H<sub>2nn</sub>— (XXVI),

and a polyoxyalkylene bridge member of the formula XXVII

—CH(CH<sub>3</sub>)—CH<sub>2</sub>—(O—CH(CH<sub>3</sub>)—CH<sub>2</sub>)<sub>a</sub>—(O—CH<sub>2</sub>—CH<sub>2</sub>)<sub>b</sub>—(O—CH<sub>2</sub>—



(XXVII),

wherein  $a + c = 2.5$  and  $b = 8.5$  to  $40.5$  or  $a + c = 2$  to  $33$  and  $b = 0$ ,

$\text{R}^{21}$  is hydrogen or  $\text{C}_1-\text{C}_{16}$  alkyl,

$\text{YY}$  is unsubstituted or substituted  $\text{C}_2-\text{C}_{20}$  alkyl,

$\text{kk}$  is zero or an integer from 1-16,

$\text{mm}$  is an integer from 2 to 60,

$\text{nn}$  is an integer from 2 to 6,

$u$  is an integer from 1 to 4;

$\text{B}_1$  is O or NH;

$\text{R}^{15}$  is  $\text{C}_2-\text{C}_{10}$  alkyl,  $\text{C}_2-\text{C}_{10}$  oxaalkyl or  $\text{C}_2-\text{C}_{10}$  dithiaalkyl, phenyl, naphthyl, diphenyl, or  $\text{C}_2-\text{C}_6$  alkenyl, or phenylene-XX-phenylene wherein XX is  $-\text{O}-$ ,  $-\text{S}-$ ,  $-\text{SO}_2-$ ,  $-\text{CH}_2-$ , or  $-\text{C}(\text{CH}_3)_2-$ ;

$\text{R}^{16}$  is  $\text{C}_2-\text{C}_{10}$  alkyl,  $\text{C}_2-\text{C}_{10}$  oxaalkyl or  $\text{C}_2-\text{C}_{10}$  dithiaalkyl, phenyl, naphthyl, diphenyl, or  $\text{C}_2-\text{C}_6$  alkenyl provided that when  $r$  is 3 the alkenyl has at least 3 carbons;

$\text{R}^{17}$  is  $\text{C}_2-\text{C}_{10}$  alkyl, phenyl, naphthyl, diphenyl, or  $\text{C}_2-\text{C}_6$  alkenyl, methylenediphenylene, or  $\text{C}_4-\text{C}_{15}$  alkylphenyl; and

$\text{R}^{18}$  is  $\text{C}_2-\text{C}_{10}$  alkyl, or  $\text{C}_4-\text{C}_{20}$  alkyl interrupted by one or more oxygen atoms.

when  $r$  is 3, D is  $-(\text{CH}_2)_8-\text{COO-}]_3-\text{R}^{19}$

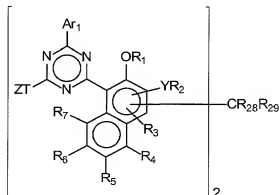
and when  $r$  is 4, D is  $-(\text{CH}_2)_8-\text{COO-}]_4-\text{R}^{20}$

wherein  $\text{R}^{19}$  is  $\text{C}_3-\text{C}_{10}$  alkanetriyl;

$\text{R}^{20}$  is  $\text{C}_4-\text{C}_{10}$  alkanetetriyl; and

$s$  is 1-6.

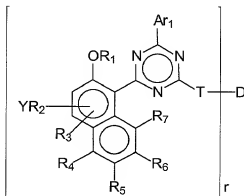
9. A triazine compound of Formula V



Formula V

wherein T, Z, Ar<sub>1</sub>, Y, R<sub>1</sub> to R<sub>7</sub> are defined as in claim 1; ✓  
 and wherein R<sub>28</sub> and R<sub>29</sub> can be the same or different and each is independently a hydrogen, a C<sub>1</sub>-C<sub>20</sub> alkyl, an aryl or substituted C<sub>1</sub>-C<sub>20</sub> aryl.

10. A triazine compound of Formula VI



Formula VI

wherein T, Ar<sub>1</sub>, Y, R<sub>1</sub> to R<sub>7</sub> are defined as in claim 1; ✓  
 r is an integer between 2 and 4;

when r is 2, D is selected from the group consisting of C<sub>2</sub>-C<sub>16</sub> alkylene, C<sub>4</sub>-C<sub>12</sub> alkenylene, xylene, C<sub>3</sub>-C<sub>20</sub> alkylene which is interrupted by one or more oxygen atoms, hydroxy-substituted C<sub>3</sub>-C<sub>20</sub> alkylene which is interrupted by one or more oxygen atoms, -OOCR<sup>14</sup>COO-, -CH<sub>2</sub>CH(OH)CH<sub>2</sub>O-R<sup>15</sup>-OCH<sub>2</sub>CH(OH)CH<sub>2</sub>-, -CO-R<sup>16</sup>-CO-, -CO-NH-R<sup>17</sup>-NH-CO-, and -(CH<sub>2</sub>)<sub>s</sub>-COO-R<sup>18</sup>-OCO-(CH<sub>2</sub>)<sub>s</sub>-; and

when r is 3, D is -[(CH<sub>2</sub>)<sub>s</sub>-COO-]<sub>3</sub>-R<sup>19</sup>

and when r is 4, D is -[(CH<sub>2</sub>)<sub>s</sub>-COO-]<sub>4</sub>-R<sup>20</sup>

wherein R<sup>19</sup> is C<sub>3</sub>-C<sub>10</sub> alkanetriyl and R<sup>20</sup> is C<sub>4</sub>-C<sub>10</sub> alkanetetriyl;

s is 1-6;

R<sup>14</sup> is C<sub>1</sub>-C<sub>12</sub> alkyl or phenyl;

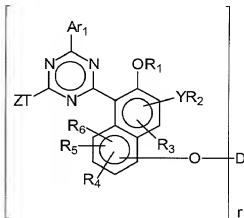
R<sup>15</sup> is C<sub>2</sub>-C<sub>10</sub> alkylene phenylene or a phenylene-X<sub>2</sub>-phenylene- group, wherein X<sub>2</sub> is -O-, -S-, -SO<sub>2</sub>-, -CH<sub>2</sub>-, or -C(CH<sub>3</sub>)<sub>2</sub>-;

R<sup>16</sup> is C<sub>2</sub>—C<sub>10</sub> alkylene, C<sub>2</sub>—C<sub>10</sub> oxaalkylene or C<sub>2</sub>—C<sub>10</sub> dithiaalkylene, phenylene, naphthylene, diphenylene or C<sub>2</sub>—C<sub>6</sub> alkenylene;

R<sup>17</sup> is C<sub>2</sub>—C<sub>10</sub> alkylene, phenylene, naphthylene, methylenediphenylene or C<sub>7</sub>—C<sub>15</sub> alkylphenylene, and

R<sup>18</sup> is C<sub>2</sub>—C<sub>10</sub> alkylene or C<sub>4</sub>—C<sub>20</sub> alkylene which is interrupted by one or more oxygen atoms.

# 11. A triazine compound of Formula VII



Formula VII

wherein T, Z, Ar<sub>1</sub>, Y, R<sub>1</sub> to R<sub>7</sub> are defined as in claim 1;

r is an integer between 2 and 4;

when r is 2, D is selected from the group consisting of C<sub>2</sub>—C<sub>16</sub> alkylene, C<sub>4</sub>—C<sub>12</sub>

alkenylene, xylylene, C<sub>3</sub>—C<sub>20</sub> alkylene which is interrupted by one or more oxygen atoms, hydroxy-substituted C<sub>3</sub>—C<sub>20</sub> alkylene which is interrupted by one or more oxygen atoms, —OOCR<sup>14</sup>COO—, —CH<sub>2</sub>CH(OH)CH<sub>2</sub>O—R<sup>15</sup>—OCH<sub>2</sub>CH(OH)CH<sub>2</sub>—, —CO—R<sup>16</sup>—CO—, —CO—NH—R<sup>17</sup>—NH—CO—, and —(CH<sub>2</sub>)<sub>s</sub>—COO—R<sup>18</sup>—OCO—(CH<sub>2</sub>)<sub>s</sub>—; and

when r is 3, D is —[(CH<sub>2</sub>)<sub>s</sub>—COO—]<sub>3</sub>—R<sup>19</sup>

and when r is 4, D is —[(CH<sub>2</sub>)<sub>s</sub>—COO—]<sub>4</sub>—R<sup>20</sup>

wherein R<sup>19</sup> is C<sub>3</sub>—C<sub>10</sub> alkanetriyl and R<sup>20</sup> is C<sub>4</sub>—C<sub>10</sub> alkanetriyl;

s is 1-6;

R<sup>14</sup> is C<sub>1</sub>—C<sub>12</sub> alkyl or phenyl;

R<sup>15</sup> is C<sub>2</sub>—C<sub>10</sub> alkylene phenylene or a phenylene-X<sub>2</sub>-phenylene- group, wherein X<sub>2</sub> is —O—, —S—, —SO<sub>2</sub>—, —CH<sub>2</sub>—, or —C(CH<sub>3</sub>)<sub>2</sub>—;

R<sup>16</sup> is C<sub>2</sub>—C<sub>10</sub> alkylene, C<sub>2</sub>—C<sub>10</sub> oxaalkylene or C<sub>2</sub>—C<sub>10</sub> dithiaalkylene, phenylene, naphthylene, diphenylene or C<sub>2</sub>—C<sub>6</sub> alkenylene;

R<sup>17</sup> is C<sub>2</sub>—C<sub>10</sub> alkylene, phenylene, naphthylene, methylenediphenylene or C<sub>7</sub>—C<sub>15</sub> alkylphenylene, and

R<sup>18</sup> is C<sub>2</sub>—C<sub>10</sub> alkylene or C<sub>4</sub>—C<sub>20</sub> alkylene which is interrupted by one or more oxygen atoms.

12. A method of stabilizing a material comprising the step of contacting said material with the triazine compounds of claims 1, 6, 7, 8, 9, 10 or 11.

13. The method of claim 12 wherein said material to be stabilized is selected from the group consisting of: polyolefins, polyesters, polyethers, polyketones, polyamides, natural and synthetic rubbers, polyurethanes, polystyrenes, high-impact polystyrenes, polyacrylates, polymethacrylates, polyacetals, polyacrylonitriles, polybutadienes, polystyrenes, ABS, styrene acrylonitrile, acrylate styrene acrylonitrile, cellulosic acetate butyrate, cellulosic polymers, polyimides, polyamideimides, polyetherimides, polyphenylsulfides, polyphenylene oxide, polysulfones, polyethersulfones, polyvinylchlorides, polycarbonates, polyketones, aliphatic polyketones, thermoplastic TPO's, amino resin crosslinked polyacrylates and polyesters, polyisocyanate crosslinked polyesters and polyacrylates, phenol/formaldehyde, urea/formaldehyde and melamine/formaldehyde resins, drying and non-drying alkyd resins, alkyd resins, polyester resins, acrylate resins cross-linked with melamine resins, urea resins, isocyanates, isocyanurates, carbamates, epoxy resins, cross-linked epoxy resins derived from aliphatic, cycloaliphatic, heterocyclic and aromatic glycidyl compounds, which are cross-linked with anhydrides or amines, polysiloxanes, Michael addition polymers, amines, blocked amines with activated unsaturated and methylene compounds, ketimines with activated unsaturated and methylene compounds, polyketimines in combination with unsaturated acrylic polyacetoacetate resins, polyketimines in combination with unsaturated acrylic resins, radiation curable compositions, epoxymelamine resins, organic dyes, cosmetic products, cellulose-based paper formulations, photographic film paper, ink, and mixtures thereof.

14. The method of claim 12 wherein the amount of said triazine compound is about 0.1 to about 20% by weight based on the material to be stabilized.

15. A composition comprising



(a) the triazine compounds of claims 1, 6, 7, 8, 9, 10 or 11; and

(b) at least one other additive selected from the group consisting of: UV-absorbers and light stabilizers, and antioxidants.

16. The composition of claim 15 wherein said at least one other additive is selected from the group consisting of 2-(2'-hydroxyphenyl)benzotriazoles, oxamides, 2-(2-hydroxyphenyl)-1,3,5-triazines, 2-hydroxybenzophenones, sterically hindered amines and hindered phenol antioxidants.

17. The composition of claim 15 wherein said at least one additive is selected from the group consisting of: 2-(2'-hydroxy-5'-methylphenyl)-benzotriazole; 2-(3',5'-di-tert-butyl-2'-hydroxyphenyl)benzotriazole; 2-(5'-tert-butyl-2'-hydroxyphenyl)benzotriazole; 2-(2'-hydroxy-5'-(1,1,3,3-tetramethylbutyl)phenyl)benzotriazole; 2-(3',5'-di-tert-butyl-2'-hydroxyphenyl)-5-chlorobenzotriazole; 2-(3'-tert-butyl-2'-hydroxy-5'-methylphenyl)-5-chloro-benzotriazole; 2-(3'-sec-butyl-5'-tert-butyl-2'-hydroxyphenyl)-benzotriazole; 2-(2'-hydroxy-4'-octoxyphenyl)benzotriazole; 2-(3',5'-di-tert-amyl-2'-hydroxyphenyl)benzotriazole; 2-(3',5'-bis( $\alpha,\alpha$ -dimethylbenzyl)-2'-hydroxyphenyl)-benzotriazole; a mixture of 2-(3'-tert-butyl-2'-hydroxy-5'-(2-octyloxycarbonyl)ethyl)phenyl)-5-chloro-benzotriazole, 2-(3'-tert-butyl-5'-[2-(2-ethylhexyloxy)-carbonyl]ethyl)-2'-hydroxyphenyl)-5-chloro-benzotriazole, 2-(3'-tert-butyl-2'-hydroxy-5'-(2-methoxycarbonyl)ethyl)phenyl)-5-chloro-benzotriazole, 2-(3'-tert-butyl-2'-hydroxy-5'-(2-methoxycarbonyl)ethyl)phenyl)benzotriazole, 2-(3'-tert-butyl-2'-hydroxy-5'-(2-octyloxycarbonyl)ethyl)phenyl)benzotriazole, 2-(3'-tert-butyl-5'-[2-(2-ethylhexyloxy)carbonyl]ethyl)-2'-hydroxyphenyl)benzotriazole, 2-(3'-dodecyl-2'-hydroxy-5'-methylphenyl)benzotriazole and 2-(3'-tert-butyl-2'-hydroxy-5'-(2-isooctyloxycarbonyl)ethyl)phenyl)benzotriazole; 2,2-methylenebis[4-(1,1,3,3-tetramethylbutyl)-6-benzotriazol-2-yl]phenol], the transesterification product of 2-[3'-tert-butyl-5'-(2-methoxycarbonyl)ethyl)-2'-hydroxyphenyl]benzotriazole with polyethylene glycol 300;  $[R-CH_2CH-COO(CH_2)_3]_2$  B where R = 3'-tert-butyl-4'-hydroxy-5'-2H-benzotriazol-2-ylphenyl; bis(2,2,6,6-tetramethylpiperidin-4-yl) sebacate; bis(2,2,6,6-tetramethylpiperidin-4-yl)succinate; bis(1,2,2,6,6-pentamethylpiperidin-4-yl)sebacate; bis(1-octyloxy-2,2,6,6-tetramethylpiperidin-4-yl)sebacate; bis(1,2,2,6,6-pentamethylpiperidin-4-yl) n-butyl 3,5-di-tert-butyl-4-hydroxybenzylmalonate; the condensate of 1-(2-hydroxyethyl)-2,2,6,6-tetramethyl-4-hydroxypiperidine and succinic acid; the condensate of N,N'-bis(2,2,6,6-tetramethylpiperidin-4-yl)hexamethylenediamine and 4-tert-octylamino-2,6-dichloro-1,3,5-triazine; tris(2,2,6,6-tetramethylpiperidin-4-yl) nitrilotriacetate; tetrakis(2,2,6,6-tetramethylpiperidin-4-yl)-1,2,3,4-butanetetra-carboxylate; 1,1'-(1,2-ethanediy)bis(3,3,5,5-tetramethylpiperazinone); 4-benzoyl-

2,2,6,6-tetramethylpiperidine; 4-stearoxy-2,2,6,6-tetramethylpiperidine; bis(1,2,2,6,6-pentamethylpiperidyl)-2-n-butyl-2-(2-hydroxy-3,5-di-tert-butylbenzyl)malonate; 3-n-octyl-7,7,9,9-tetramethyl-1,3,8-triazaspiro[4.5]decan-2,4-dione; bis(1-octyloxy-2,2,6,6-tetramethylpiperidyl)sebacate; bis(1-octyloxy-2,2,6,6-tetramethylpiperidyl)succinate; the condensate of N,N'-bis(2,2,6,6-tetramethylpiperidin-4-yl)hexamethylenediamine and 4-morpholino-2,6-dichloro-1,3,5-triazine; the condensate of 2-chloro-4,6-bis(4-n-butylamino-2,2,6,6-tetramethylpiperidyl)-1,3,5-triazine and 1,2-bis(3-aminopropylamino)ethane; the condensate of 2-chloro-4,6-bis(4-n-butylamino-1,2,2,6,6-pentamethylpiperidyl)-1,3,5-triazine and 1,2-bis(3-aminopropylamino)ethane; 8-acetyl-3-dodecyl-7,7,9,9-tetramethyl-1,3,8-triazaspiro[4.5]decane-2,4-dione; 3-dodecyl-1-(2,2,6,6-tetramethylpiperidin-4-yl)pyrrolidin-2,5-dione; 3-dodecyl-1-(1-ethanoyl-2,2,6,6-tetramethylpiperidin-4-yl)pyrrolidin-2,5-dione; 3-dodecyl-1-(1,2,2,6,6-pentamethylpiperidin-4-yl)pyrrolidine-2,5-dione; a mixture of 4-hexadecyloxy- and 4-stearoxy-2,2,6,6-tetramethylpiperidine; the condensate of N,N'-bis(2,2,6,6-tetramethylpiperidin-4-yl)hexamethylenediamine and 4-cyclohexylamino-2,6-dichloro-1,3,5-triazine; the condensate of 1,2-bis(3-aminopropylamino)ethane, 2,4,6-trichloro-1,3,5-triazine and 4-butylamino-2,2,6,6-tetramethylpiperidine; 2-undecyl-7,7,9,9-tetramethyl-1-oxa-3,8-diaza-4-oxospiro[4.5]decane; oxo-piperanzinyl-triazines and the reaction product of 7,7,9,9-tetramethyl-2-cycloundecyl-1-oxa-3,8-diaza-4-oxospiro[4.5]decane and epichlorohydrin; 2,4,6-tris(2-hydroxy-4-octyloxyphenyl)-1,3,5-triazine; 2-(2-hydroxy-4-n-octyloxyphenyl)-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine; 2-(2-hydroxy-4-(mixed iso-octyloxyphenyl)-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine; 2-(2,4-dihydroxyphenyl)-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine; 2,4-bis(2-hydroxy-4-propyloxyphenyl)-6-(2,4-dimethylphenyl)-1,3,5-triazine; 2-(2-hydroxy-4-octyloxyphenyl)-4,6-bis(4-methylphenyl)-1,3,5-triazine; 2-(2-hydroxy-4-dodecyloxyphenyl)-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine; 2-(2-hydroxy-4-tridecyloxyphenyl)-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine; 2-[2-hydroxy-4-(2-hydroxy-3-butyloxypropyloxy)phenyl]-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine; 2-[2-hydroxy-4-(2-hydroxy-3-octyloxypropyloxy)-phenyl]-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine; 2-[4-dodecyloxy/tridecyloxy-2-hydroxypropoxy]-2-hydroxyphenyl]-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine; 2-[2-hydroxy-4-(2-hydroxy-3-dodecyloxypropoxy)phenyl]-4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine; 2-(2-hydroxy-4-hexyloxy)phenyl-4,6-diphenyl-1,3,5-triazine; 2-(2-hydroxy-4-methoxyphenyl)-4,6-diphenyl-1,3,5-triazine; 2,4,6-tris[2-hydroxy-4-(3-butoxy-2-hydroxypropoxy)phenyl]-1,3,5-triazine; 2-(2-hydroxyphenyl)-4-(4-methoxyphenyl)-6-phenyl-1,3,5-triazine, 2,4-dihydroxybenzophenone; 2-hydroxy-4-methoxybenzophenone; 2-hydroxy-4-octyloxybenzophenone; 2-hydroxy-4-decyloxybenzophenone; 2-hydroxy-4-benzyloxybenzophenone, 4,2',4'-trishydroxybenzophenone; 2'-hydroxy-4,4'-dimethoxybenzophenone;

1,3,5-tris(2,6-dimethyl-4-tert-butyl-3hydroxybenzyl)isocyanurate; 1,3,5-tris(3,5-di-tert-butyl-4-hydroxybenzyl)isocyanurate; 1,3,5-tris(3,5-di-tert-butyl-4-hydroxybenzyl)-2,4,6-trimethylbenzene; 2,6-di-tert-butyl-4-methylphenol; 2,2'-ethylidene-bis(4,6-di-tert-butylphenol); 1,1,3-tris(5-tert-butyl-4-hydroxy-2-methylphenyl)butane; esters of  $\beta$ -(3,5-di-tert-butyl-4-hydroxyphenyl)propionic acid with mono- or polyhydric alcohols; esters of  $\beta$ -(5-tert-butyl-4-hydroxy-3-methylphenyl)propionic acid with mono- or polyhydric alcohols; dimethyl-2,5-di-tert-butyl-4-hydroxybenzylphosphonate; diethyl-3,5-di-tert-butyl-4-hydroxybenzylphosphonate; dioctadecyl-3,5-di-tert-butyl-4-hydroxybenzylphosphonate; dioctadecyl-5-tert-butyl-4-hydroxy-3-methylbenzylphosphonate; and the calcium salt of the monoethyl ester of 3,5-di-tert-butyl-4-hydroxybenzylphosphonic acid; amides of  $\beta$ -(3,5-di-tert-butyl-4-hydroxyphenyl)propionic acid such as N,N'-bis(3,5-di-tert-butyl-4-hydroxyphenylpropionyl)hexamethylenediamine; N,N'-bis(3,5-di-tert-butyl-4-hydroxyphenylpropionyl)trimethylenediamine; and N,N'-bis(3,5-di-tert-butyl-4-hydroxyphenylpropionyl)hydrazine.

18. The composition of claim 15 further comprising a material to be stabilized, said material selected from the group consisting of: polyolefins, polyesters, polyethers, polyketones, polyamides, natural and synthetic rubbers, polyurethanes, polystyrenes, high-impact polystyrenes, polyacrylates, polymethacrylates, polyacetals, polyacrylonitriles, polybutadienes, polystyrenes, ABS, styrene acrylonitrile, acrylate styrene acrylonitrile, cellulosic acetate butyrate, cellulosic polymers, polyimides, polyamideimides, polyetherimides, polyphenylsulfides, polyphenylene oxide, polysulfones, polyethersulfones, polyvinylchlorides, polycarbonates, polyketones, aliphatic polyketones, thermoplastic TPO's, aminoresin crosslinked polyacrylates and polyesters, polyisocyanate crosslinked polyesters and polyacrylates, phenol/formaldehyde, urea/formaldehyde and melamine/formaldehyde resins, drying and non-drying alkyd resins, alkyd resins, polyester resins, acrylate resins cross-linked with melamine resins, urea resins, isocyanates, isocyanurates, carbamates, epoxy resins, cross-linked epoxy resins derived from aliphatic, cycloaliphatic, heterocyclic and aromatic glycidyl compounds, which are cross-linked with anhydrides or amines, polysiloxanes, Michael addition polymers, amines, blocked amines with activated unsaturated and methylene compounds, ketimines with activated unsaturated and methylene compounds, polyketimines in combination with unsaturated acrylic polyacetoacetate resins, polyketimines in combination with unsaturated acrylic resins, radiation curable compositions, epoxymelamine resins, organic dyes, cosmetic products, cellulose-based paper formulations, photographic film paper, ink, and mixtures thereof.

19. The composition of claim 15 wherein the amount of said triazine compound to said at least one other additive is from about 500:1 to about 1:500 by weight.

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